PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY	_	STATE PERMIT			
To:		P (E0 1 2 5 FEB 2005			
MARC E. BROWN		WIDWIPO PCTPCT			
MCDERMOTT, WILL & EMERY 2049 CENTURY PARK EAST, SUITE 3400	WRI	TTEN OPINION OF THE			
LOS ANGELES, CA 90067	INTERNATIO	ONAL SEARCHING AUTHORITY			
		(PCT Rule 43bis.1)			
	Date of mailing (day/month/year)	22 FEB 2005			
Applicant' s or agent's file reference	FOR FURTHER	FOR FURTHER ACTION See paragraph 2 below			
38586-339 International application No. International filing	date (day/month/year)	Priority date (day/month/year)			
PCT/US04/28162 30 August 2004 (30).08.2004)	29 August 2003 (29.08.2003)			
International Patent Classification (IPC) or both national class	ification and IPC				
IPC(7): A61K 38/00, 31/56; C12N 5/08 and US Cl.: 424/93.	21, 9.1; 435/69.4, 325,	366, 7.2; 514/2, 170; 530/350; 548/241			
Applicant					
REGENTS OF THE UNIVERSITY OF CALIFORNIA					
	•••				
1. This opinion contains indications relating to the following	g items:				
Box No. I Basis of the opinion					
. Box No. II Priority					
1	the imparitue etco and industrial applicability				
Box No. V Reasoned statement under Rule applicability; citations and explanations	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
Box No. VI Certain documents cited					
Box No. VII Certain defects in the internation	nal application				
Box No. VIII Certain observations on the inte	Certain observations on the international application				
2. FURTHER ACTION					
2. FURTHER ACTION If a demand for international preliminary examination International Preliminary Examining Authority ("IPE Authority other than this one to be the IPEA and the cl that written opinions of this International Searching Aut	hosen IPEA has notified	the International Bureau under Rule 66.1bis(b)			
If this opinion is, as provided above, considered to be IPEA a written reply together, where appropriate, w mailing of Form PCT/ISA/220 or before the expiration					
For further options, see Form PCT/ISA/220.					
3. For further details, see notes to Form PCT/ISA/220.	Authorized offi	cer Milde Jilliani			
Name and mailing address of the ISA/ US					
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Chih-Min Kar	m 70 /			
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Form PCT/ISA/237 (cover sheet) (January 2004)

International application No.
PCT/US04/28162

Box No.	. I Basis of this opinion
it was f	egard to the language, this opinion has been established on the basis of the international application in the language in which filed, unless otherwise indicated under this item.
,	This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With a	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the discount discountry in this opinion has been established on the basis of:
a.	type of material
	a sequence listing
	table(s) related to the sequence listing
b.	format of material
	in written format
	in computer readable form
c.	time of filing/furnishing
	contained in international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Addit	tional comments:
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Box No. IV Lack of unity of invention
1. In response to the invitation (Form PCT/ISA/206) to pay additional fees the applicant has: paid additional fees paid additional fees under protest not paid additional fees
2. This Authority found that the requirement of unity of invention is not complied with and chose not to invite the applicant to pay additional fees.
3. This Authority considers that the requirement of unity of invention in accordance with Rule 13.1, 13.2 and 13.3 is
complied with not complied with for the following reasons: See the lack of unity section of the International Search Report(Form PCT/ISA/210)
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4. Consequently, this opinion has been established in respect of the following parts of the international application: all parts. the parts relating to claims Nos. 1-12 and 51

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A. 1 A. J. A. 10 A. V. 1		e step or industrial
Box No. V Reasoned statement under Rule applicability; citations and explanations	43 bis.1(a)(i) with regard to novelty, inventivnations supporting such statement	e step or industrial
1. Statement		
	Claims 1-12 and 51	YES
Novelty (N)	Claims NONE	NO
	Claims NONE	
- (70)	Ciaims 1-12 and 51	YES
Inventive step (IS)	Claims NONE	3.70
	Glanus Moras	
Industrial applicability (IA)	Claims 1-12 and 51	YES
industrial applicability (1A)	Claims NONE	3.70
at least one bone morphogenic protein, and a medic bone morphogenic protein.	itic differentiation by treating the mammalian cells with cament for treating bone disorders using at least one of the control	ony storon and an ionic land

Form PCT/ISA/237 (Box No. V) (January 2004)

International application No.

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Box No. VIII	Certain observations on the international application	

The following observations on the clarity of the claims, description, and drawings or on the questions whether the claims are fully supported by the description, are made: 1. Claims 2, 7 and 51 are objected to under PCT Rule 66.2(a)(v) as lacking clarity under PCT Article 6 because claims 2, 7 and 51 are indefinite for the following reason(s): The claim cites the term "a portion", it is not clear what part of hydroxycholesterol or pregnanolone the portion refers to.